

METHOD OF PRODUCING A PLATE SPRING

ABSTRACT OF THE DISCLOSURE

A method of producing a plate spring is disclosed which allows one to adjust the load - displacement characteristics thereof to a desired degree. The method includes stamping slits and a small diameter hole from a disk-shaped plate member, and forming the plate spring into a cone shape. Shot-peening is then performed on a resilient portion of the plate spring that retains a flat cone shape in the free state. Furthermore, shot-peening is performed on only a portion of the resilient portion and not on the entire surface of the plate spring.

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